

Appl. No. 10/730,522
Reply to Office Action of July 20, 2004

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims

1. (Currently Amended) A contact lens comprising:
a lens body having an optical region, an anterior surface and a posterior surface; and
an image component disposed on or within said lens body, said component being effective in producing a color shifting appearance, and initially provided to the lens body, or a precursor thereof, in a liquid binder material comprising particles of a multilayered interference film that is substantially absent of any intrinsic color.
2. (Original) The lens of claim 1 wherein the image component comprises a light diffractive component.
3. (Cancelled)
4. (Cancelled)
5. (Currently amended) The lens of claim [[4]] 1 wherein the ~~image component comprises~~ particles ~~having~~ have a size less than about one hundred micrometers.
6. (Cancelled)
7. (Currently amended) The lens of claim [[6]] 1 wherein the ~~medium~~ binder material comprises a polymeric material.

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8. (Currently amended) The lens of claim 7 wherein the polymeric material comprises a co-polymer of ~~HEMA (2-hydroxyethyl methacrylate)~~ and ~~GMA (glyceryl monomethacrylate)~~ 2-hydroxyethyl methacrylate and glycidyl monomethacrylate.

9. (Cancelled)

10. (Original) The lens of claim 1 wherein the image component comprises particles of a plurality of multilayered interference films, each of the films being effective in exhibiting a different light interference property.

11. (Original) The lens of claim 1 wherein the image component comprises particles of a multilayered interference film and particles of a reflective film.

12. (Original) The lens of claim 1 wherein the image component is provided as a layer located on the anterior surface of the lens body.

13. (Original) The lens of claim 1 wherein the image component is integrated into at least a portion of the lens body.

14. (Currently amended) The lens of claim 1 wherein the ~~image component is provided in~~ binder material is a medium that is expelled from an ink jet printer.

15. (Original) The lens of claim 1 wherein the image component is effective in producing a rainbow colored spectral appearance.

16. (Original) The lens of claim 1, wherein the lens further comprises a phosphorescent pigment material.

17. (Currently amended) A contact lens comprising:

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a lens body having an optical region, an anterior surface and a posterior surface; and

an image component provided on or in the lens body, or a precursor thereof, initially in a liquid binding material comprising particles of a multilayered interference film that is substantially absent of any intrinsic color, to create a colored image, and structured to interfere with incident light to cause a color of the image to change when the lens is viewed from different angles.

18. (Original) The lens of claim 17, wherein the image component is provided in an annulus on a surface of the lens.

19. (Original) The lens of claim 17, wherein the image component is disposed between the anterior surface and the posterior surface of the lens to define an annulus having an opening around the optic zone of the lens.

20. (Original) The lens of claim 17, wherein the image component comprises a light diffracting component.

21. (Cancelled)

22. (Currently amended) The lens of claim 21 wherein the ~~image component comprises~~ particles ~~having~~ have a size of less than about one hundred micrometers.

23. (Original) The lens of claim 17, wherein the image component comprises a layer of light-diffractive colorant located on the anterior surface of the lens and an optically clear polymeric layer disposed over the layer of light-diffractive colorant.

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24. (Original) The lens of claim 17, wherein the image component is structured to create a three-dimensional appearance of at least a portion of an eye.

25. (Original) The lens of claim 17, wherein the image component further comprises at least one non-diffractive colorant.

26. (Original) The lens of claim 25, wherein the non-diffractive colorant comprises a colored ink.

27. (Original) The lens of claim 17, wherein the image component comprises a plurality of ink pixels printed on the lens body.

28. (Original) The lens of claim 27, wherein a portion of the ink pixels are bleached.

29. (Original) The lens of claim 17, wherein the image component is provided in a pattern of an iris of an eye.

30-35. (Cancelled)

36. (New) A contact lens comprising:

a lens body having an optical region, an anterior surface and a posterior surface; and

an image component provided on or in the lens body to create a colored image, and structured to interfere with incident light to cause a color of the image to change when the lens is viewed from different angles, the image component comprising a plurality of ink pixels printed on the lens body, a portion of the ink pixels being bleached.

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37. (New) The contact lens of claim 1, wherein the particles have been combined with a passivator before being provided on the lens body.

38. (New) The contact lens of claim 1, wherein the particles have a maximum size in a range from about 11 micrometers to about 22 micrometers.

39. (New) The contact lens of claim 1, wherein the precursor is a lens forming material provided in a contact lens mold.

40. (New) The contact lens of claim 17, wherein the particles have been combined with a passivator before being provided on the lens body.

41. (New) The contact lens of claim 17, wherein the particles have a maximum size in a range from about 11 micrometers to about 22 micrometers.

42. (New) The contact lens of claim 17, wherein the precursor is a lens forming material provided in a contact lens mold.